FIG. 1

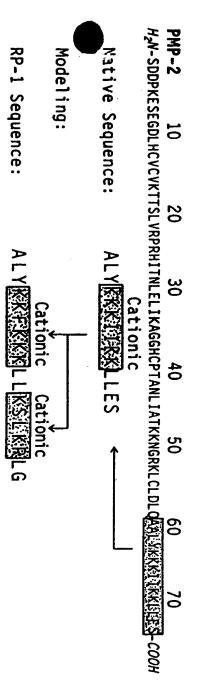


FIG. 2A

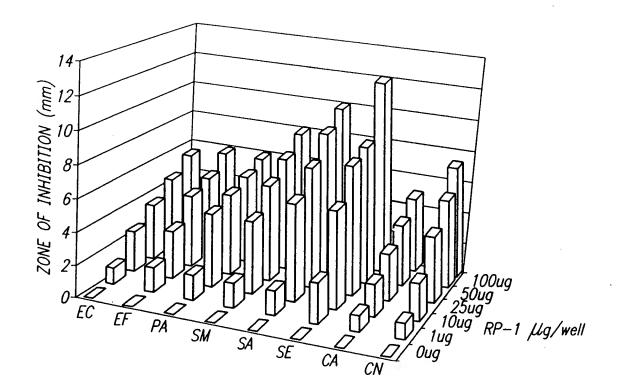
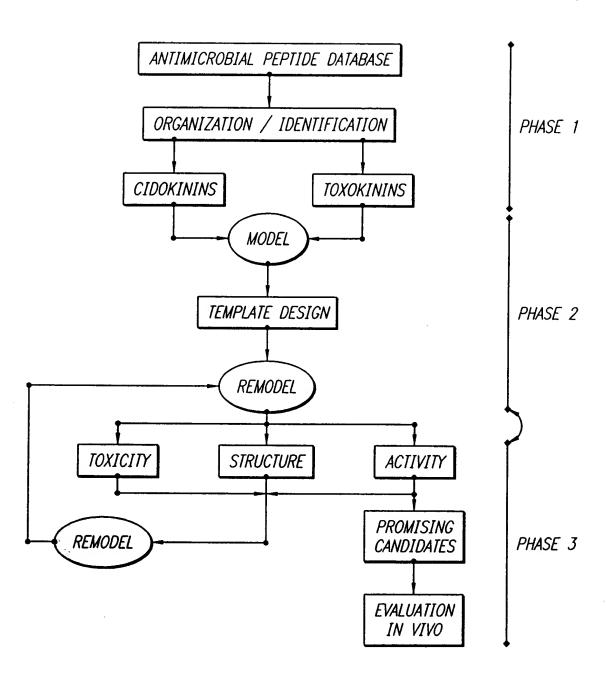
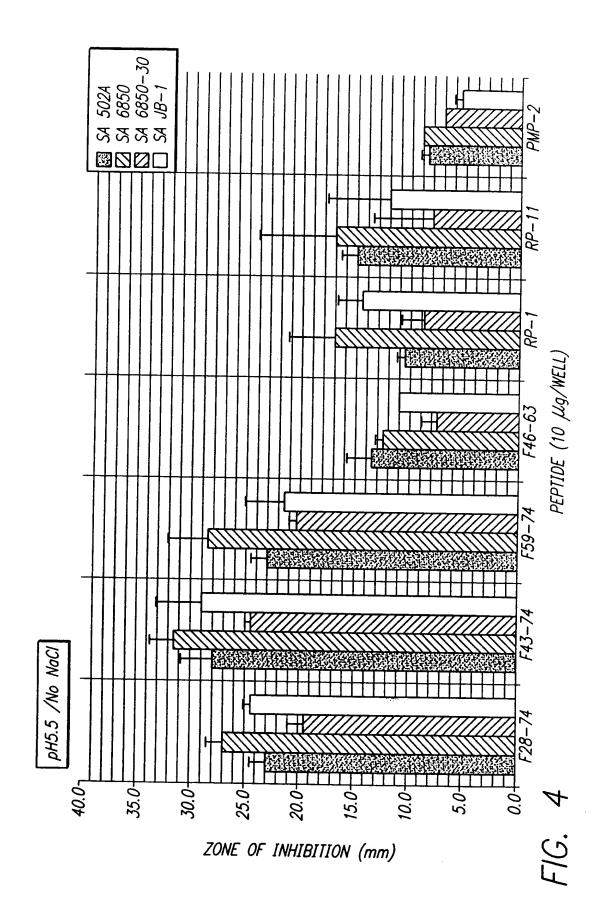


FIG. 2B

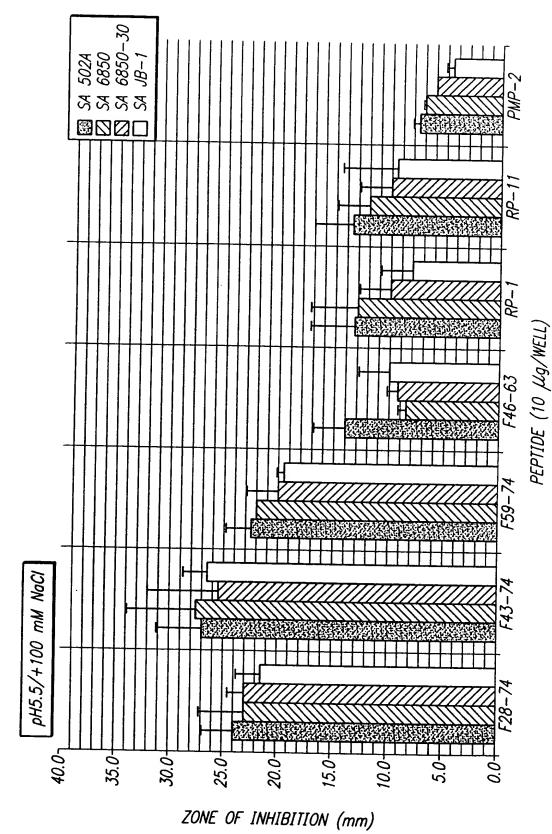
14
12
10
8
6
4
2
100 ug
25 ug
10 ug
25 ug
10 ug
RP-13µg/well
1 ug
RP-13µg/well

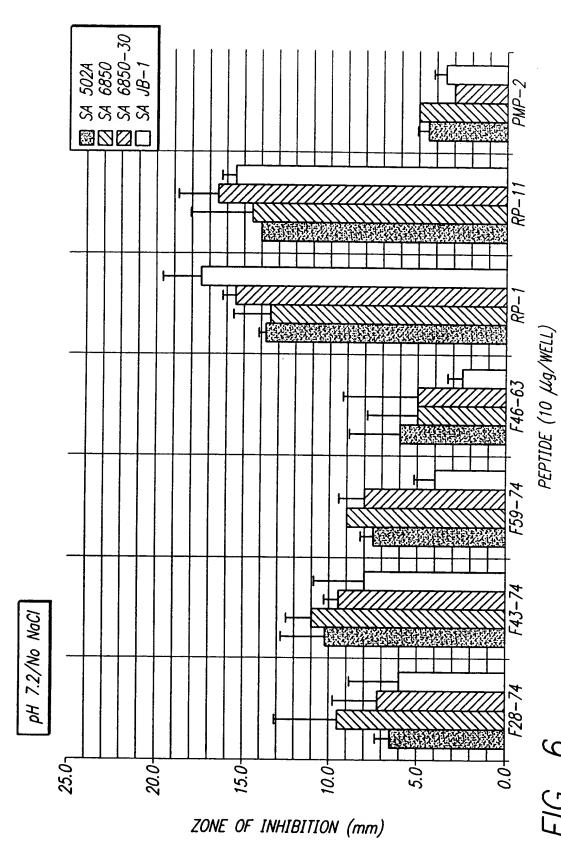
FIG. 3



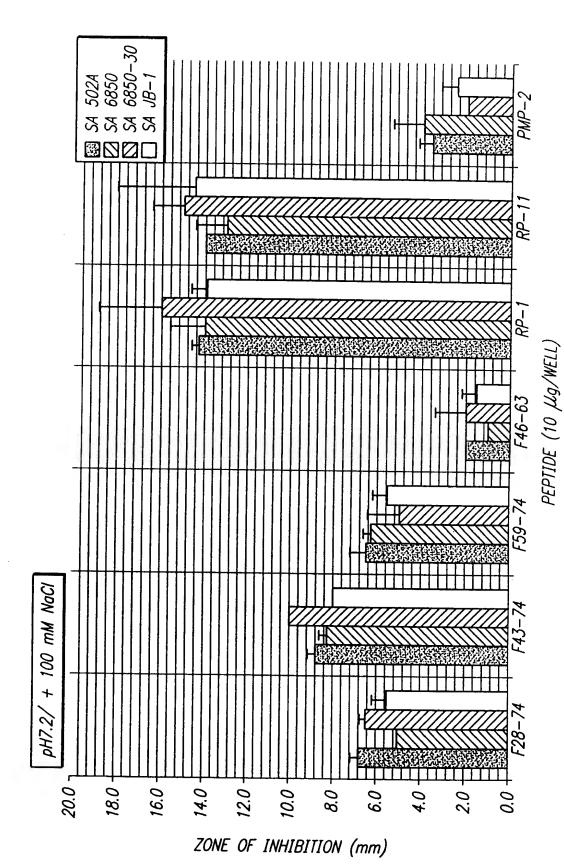


F1G. 5





-16. 7



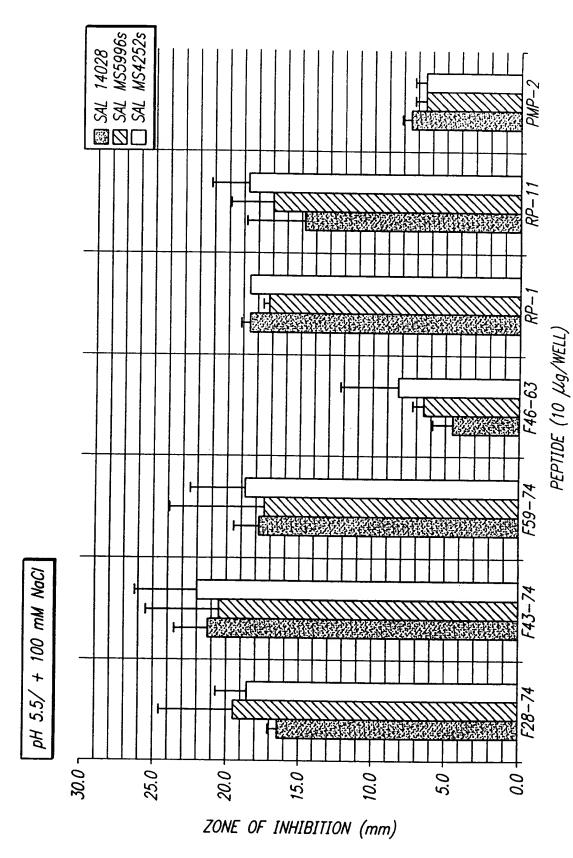
PH 5.5/No NaCI 25.0 20.0 15.0 10.0 5.0 ZONE OF INHIBITION (mm)

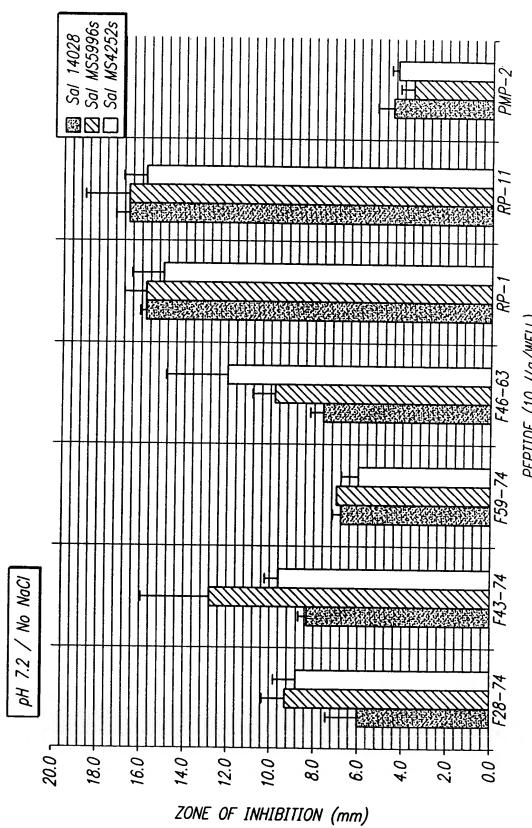
PEPTIDE (10 /Lg/WELL)

© SAL 14028 Z SAL MS5996s □ SAL MS4252s

DOGHESIS DEEDO

F1G. 9





PEPTIDE (10 µg/WELL)

PEPTIDE (10 µg/WELL)

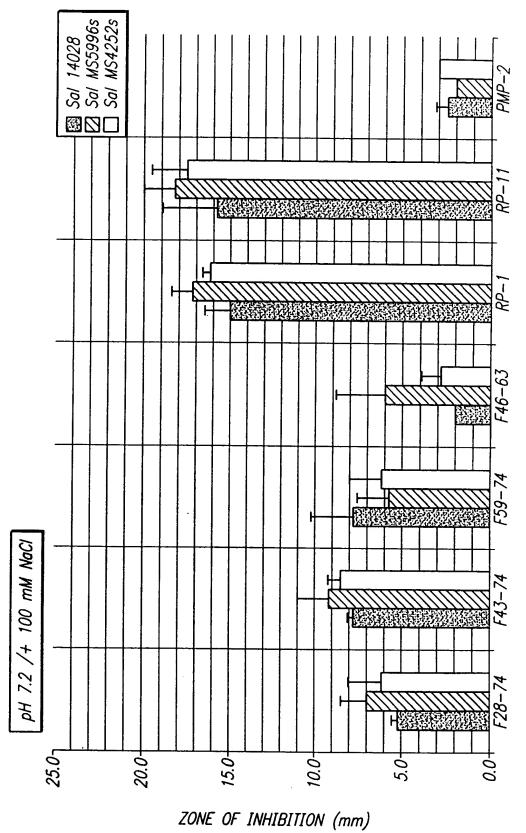


FIG. 11

OSE 4EE16 OFFGI

FIG. 12

PMP-2 RESIDUE:	10	20	30	40	20	09	70	MW (Da)
1-74	H ₂ N-SDDPKESEGDLH <u>CVC</u> VKTTSLVRPRHITNLELIKAGGHCPTANLIATKKNGRKLCLDLQAALYKKKIIKKLLES-COOH	VKTTSL VRPRH:	ITNLELIKAG	GHCPTANLI	ATKKNGRKLCI	-DLQAALYKK	KIIKKLLES-COOH	7728
1-37	H ₂ N-SDDPKESEGDLHCVCVKTTSLVRPRHITNLELIKAGG-COOH	VKTTSLVRPRH	ITNLEL IKAG	H002-5		•		3805
38-74			玉	N-HCPTANL]	ATKKNGRKLC	LDLOAALYKI	HAN-HCPTANLIATKKNGRKLCLDLOAALYKKKIIKKLLES-COOH	3923
1-15	H ₂ N-SDDPKESEGDLHCVC-COOH	Н000-	•					1544
13-27	H-CV	HAN-CVCVKTTSLVRPRHI-COOH	H000-I					1619
25-39	•	H-N-RHI	HAN-RHITNLELIKAGGHC-COOH	енс-соон				1572
37-51		4	H,N-	GHCPTANL IA	H-GHCPTANLIATKKNG-COOH			1443
49-63			•	—	HAN-KNGRKLCLDLOAALY-COOH	DLOAALY-C	HOC	1614
60-74						HAN-AALYKKI	HAN-AALYKKKIIKKLLES-COOH	1653

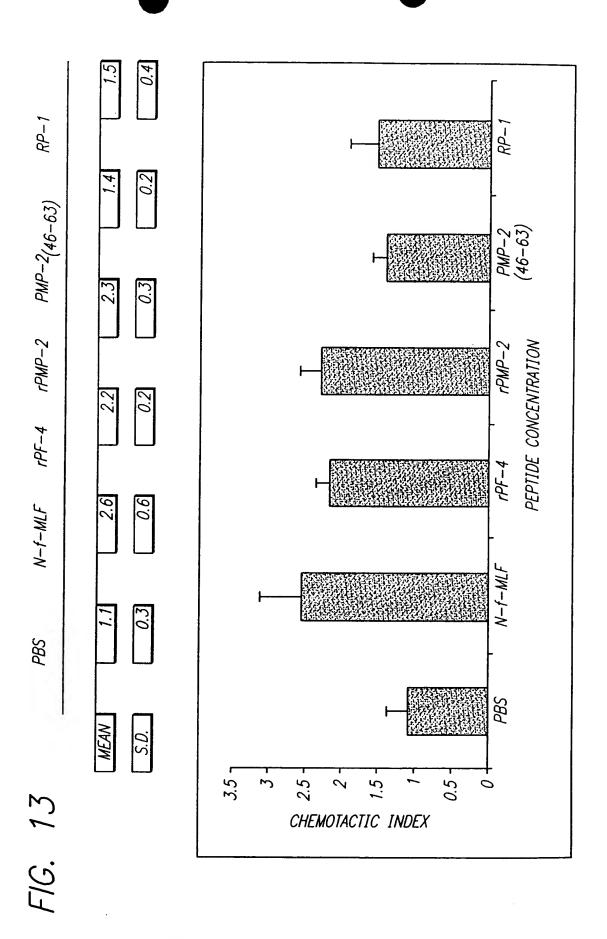
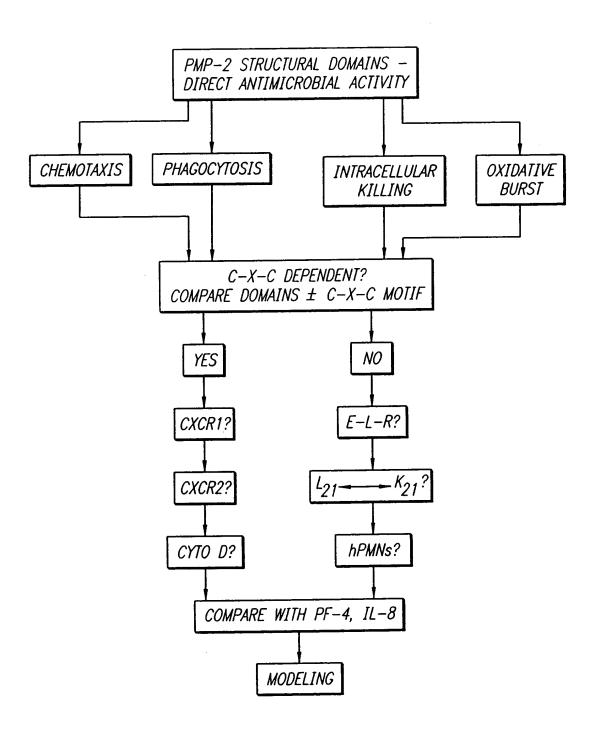


FIG. 14



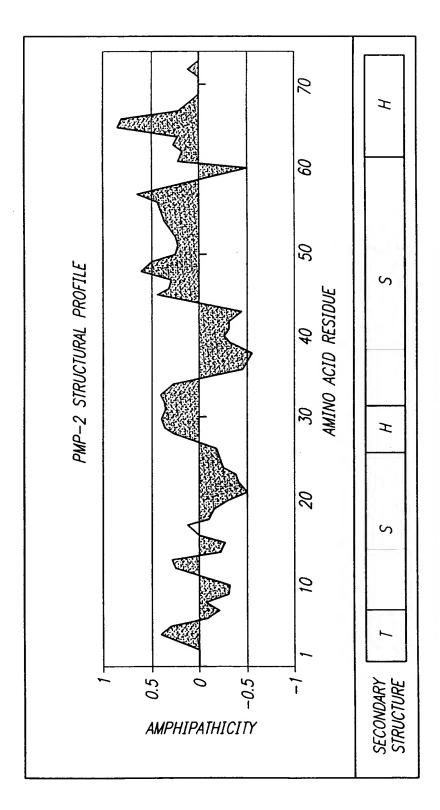
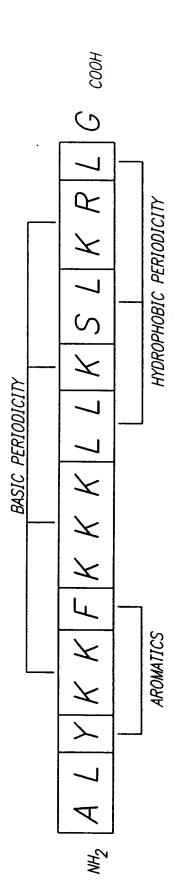


FIG. 15

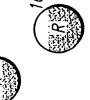
FIG. 16



Ø HYDROPHOBIC○ HYDROPHILIC⑤ ACIDIC 0









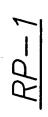












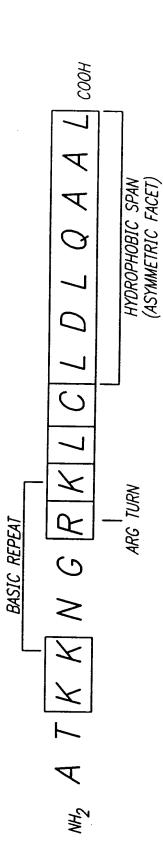




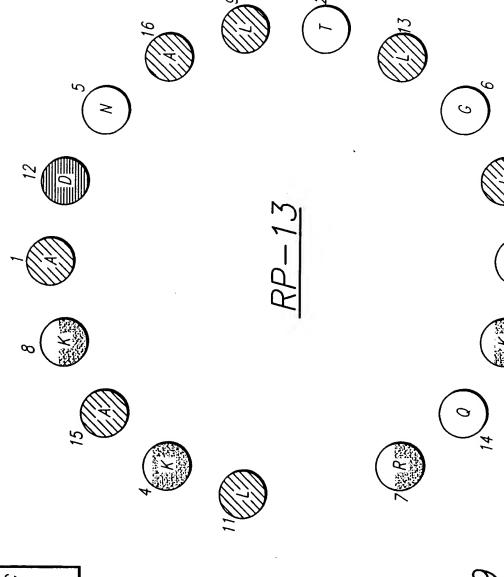


FIG. 17

FIG. 18







GEOMETRIC MEAN MIC₁₀₀

2	2		Pu	EC	MS	EF	Ç	દ્મ	₹		PATHOGEN		-	
12.5		177	9 9	25	354	50	9.0	6.2	70.7	20%	&U5	PH		
25	33.4	25.7	200	25	7.52	>100	0.0	0	100	100%	1000	pH 5.5	יאסיואזרו	MITRIE
1.6	6.3	6.3	12.5	1.0		25	1.6		1 £ k	50%		ρН	MOINTEN BYOTH	IT DENTH
1.6	12.5	6.3	12.5	3.7		50	3.1	<i>J.</i> 7	71	100%		pH 7.2		
>100	>100	3.1	12.5	6.1	/100	100	1.6	100		50%	Pil	HO		
1.6	100	25	25	25	>100		3.1	>100		100%	<i>p</i> : 0.0	٧ ٧	MUELLER-H.	
3.1	25	12.5	12.5	6.3	25		25	6.3	0000	202	ρн		HINION BROTH	
6.3	25	0.8	12.5	6.3	35		25	25	100%	100%	PH 1.2	;	4	

ORGANISM INOCULUM = 1×10^5 CFU/ml; LOGARITHMIC-PHASE CELLS PEPTIDE CONCENTRATION = 10 μ g/ml; (4.6 nmoles / ml; 4.6 μ M) INCUBATION 37°C, AMBIENT CO2; MIC₁₀₀ READ AT 24HR ($n \ge 2$)

FIG. 20

OPE-ESIS DSEIDO

50%

100%

50%

100%

20%

PATHOGEN

25

8.8

6.3

8.8

9.1

સ

12.5

3.1

3.1

9.1

3.1

S

100

12.5

6.3

25

12.5

 \mathcal{EC}

20

12.5

6.3

8.8

4.4

Z

25

6.3

6.3

8.8

6.3

8

3.1

3.1

3.1

3.1

3.1

SE

25

25

12.5

6.3

6.3

Ħ

pH 5.5

pH 7.2

pH 5.5

NUTRIENT BROTH

GEOMETRIC MEAN MIC100

COCKEC COCEDO

7	\ \
(<u>ر</u>
L	_

3.1

3.1

1.6

3.1

9.1

2.2

9.1

9.1

ટ્ટ

GEOMETRIC MEAN MIC₁₀₀

2.2 2.2 2.2 2.2 2.2 6.3 6.3 4.4	MUIRIENI BRUIH 100% 50% 1 6.3 3.1 1.6 1.6 0.4 1.6 3.1 3.1 4.4 3.1
1.6 1.6	

FIG. 22

ORGANISM INOCULUM = 1×10^5 CFU/ml; LOGARITHMIC-PHASE CELLS PEPTIDE CONCENTRATION = 10 $\mu g/ml$; (5.9 nmoles / ml ; 5.9 μ M) INCUBATION 37C, AMBIENT CO_2 ; MIC $_{100}$ READ AT 24HR ($n \ge 2$)

PEPTIDE CONCENTRATION = 10 μ g/ml; (5.4 nmoles / ml ; 5.4 μ M) INCUBATION 37°C, AMBIENT $coldsymbol{0}$ 2, MIC₁₀₀ READ AT 24HR (n \geq 2)

ORGANISM INOCULUM = 1×10^5 CFU/ml; LOGARITHMIC-PHASE CELLS

	pH 7.2	21	^	^	^	~	11	^	^	1
MUELLER-HINTON BROTH	Н	20%	>100	100	100	100	100	100	>100	50
MUELLER-HI	pH 5.5	100%	>100	6.25	100	100	>100	100	>100	100
	Н	20%	100	100	100	50	20	50	>100	25
	pH 7.2	100%	>100	>100	>100	>100	>100	>100	50	25
NUTRIENT BROTH	Н	203	>100	>100	>100	>100	>100	>100	12.5	12.5
NUTRIEN	рН 5.5	100%	25	6.3	25	19.8	25	19.8	39.7	12.5
	Hd	20%	19.8	5	12.5	6.3	12.5	9.8	52	12.5
		PATHOGEN	SA	SE	EF	NS	ЭŦ	PA	CA	CN

>100

100%

>100

>100

>100

>100

100

>100

>100

GEOMETRIC MEAN MIC100

PEPTIDE CONCENTRATION = 10 μ g/ml; 37°C, AMBIENT c_{02} ; 24 OR 48HR t GEOMETRIC MEANS OF MIC₁₀₀ ($n \ge 2$); t IN VITRO TOXICITY MARKERS

<5%

5%

5%

%

%9

%

%

DARKER GREED

			ANTIMI	ANTIMICROBIAL ACTIVITY † 	TIVITY †			-	TOXICITY ‡
	SE	EF	NS	ЭЭ	PA	CA	CN	RBCHg	HUVEC
	,								
70.7	6.3	20	35.4	25	8.8	17.7	12.5	QN	ON
>100	12.5	100	12.5	>100	100	>100	50	ON	QN
	>100	20	12.5	100	100	25	25	ON	QN
	2.2	20	6.3	70.7	17.7	25	3.1	ON	ON
	0.4	25	0.8	50	8.8	12.5	3.1	QN	ND
	25	100	05	>100	100	100	12.5	ON	ON
	3.1	6.3	9.1	12.5	8.8	8.8	3.1	QN	ON
	1.6	25	0.4	12.5	3.1	6.3	3.1	QN	ON
	6.3	25	19.8	25	19.8	12.5	6.3	ON	ON

FIG. 25

ORGANISM INOCULUM = 1×10^5 CFU/ml; LOGARITHMIC-PHASE CELLS PEPTIDE CONCENTRATION = $10 \ \mu g/ml$; 37°C, AMBIENT CO_2 ; 24 OR 48HR \dagger GEOMETRIC MEANS OF MIC $_{100}$ ($n \ge 2$); \ddagger IN VITRO TOXICITY MARKERS